



# MEMORANDUM

GOE

AGENDA ITEM NO. 2(Y)

107.07-17A MIAMI-DADE/GSA-MAT.MGT.

TO: Hon. Chairperson Barbara Carey-Shuler, Ed.D.  
and Members, Board of County Commissioners

DATE: November 14, 2003

FROM: George M. Burgess  
County Manager

SUBJECT: Change Order No. 1 to Contract  
No. W-823A

The attached Change Order No. 1 to the contract between Metro Equipment Service, Inc., and Miami-Dade County has been prepared by the Miami-Dade Water and Sewer Department and is recommended for approval.

**CHANGE ORDER NO.:** 1

**PROJECT:** Installation of 16-inch Calcium Carbonate Line from Northwest Wellfield to N. W. 87 Avenue

**PROJECT NO.:** W-823A

**PROJECT LOCATION:** This Project is located from Northwest Wellfield along N.W. 74 Street to N. W. 87 Avenue

**PROJECT DESCRIPTION:** The work consists of furnishing all labor, material and equipment necessary for furnishing and installing approximately 18,490 linear feet of 16-inch and 574 linear feet of 12-inch ductile iron pipe, valves and fittings for a calcium carbonate line from N. W. 87 Avenue to the Northwest Wellfield. The Project also includes constructing a 20-inch directional drill from Sta. 90+ 60± to Sta. 84+50± under the Florida Turnpike and Snapper Creek Extension Canal; clearing and grubbing; demucking; removing unsuitable backfill material; furnishing and installing additional backfill; constructing seven air release valve assemblies; cleaning and testing; restoration of an existing gravel road; and all other appurtenant and miscellaneous items and work for a complete installation for the Project located along N. W. 74 Street, Sections 16, 17, and 18, Township 54, Range 40, and Section 12, Township 53, Range 39.

**PRIME CONTRACTOR(S):** Metro Equipment Service, Inc.

**COMPANY PRINCIPAL(S):** Jorge Godoy, President

**CERTIFIED AS  
COMMUNITY SMALL  
BUSINESS ENTERPRISE  
(CSBE) AT TIME OF  
AWARD:** No

**COMPANY QUALIFIER:** Jorge Godoy

**LOCATION OF COMPANY:** Miami, Florida

/

**YEARS IN BUSINESS:** 15 Years

**PREVIOUS CONTRACTS  
WITH COUNTY DURING  
THE LAST FIVE YEARS:** Eighteen contracts totaling \$14,134,026

**CSBE MEASURE AT  
AWARD:** 3%

**CURRENT CSBE STATUS:** In Compliance

**ORIGINAL COST ESTIMATE:** \$2,180,000.00

**ORIGINAL CONTRACT AMOUNT:** \$1,236,226.64 (See Attached Tabulation)

<b>ALLOWANCE ACCOUNT FUND USAGE:</b>	Beginning Balance:	\$112,384.24
	Amount Transferred from Bid Items:	\$ 22,324.40
	Total Amount Used:	\$134,107.57
	Amount Remaining:	\$ 601.07

**CLASSIFICATION OF CHANGE  
ORDER:**

- ☐ Regulatory Change
- ☐ Other Agency Request Change
- ☐ Design Errors Change
- ☐ Design Omission Change
- ☒ Unforeseen/Unforeseeable Change
- ☐ Other

**PREVIOUS CHANGE ORDERS:** None

**CHANGE ORDER  
RECOMMENDATION:** Increase contract amount by \$500,741.25 and a 232 day time extension

**JUSTIFICATION FOR  
CHANGE ORDER:**

The Board was advised of the potential for this change order by a memo dated April 10, 2003 from the County Manager (see attachment). In the process of constructing the 16-inch calcium carbonate line and during the directional drilling operation, existing unknown cavities under the canal caused the driller's bentonite fluid to discharge into the canal. This condition made it impossible to complete the operation. In order to have the appropriate cover protecting the proposed pipeline, the directional drill operation had to be re-designed wherein the pipe elevation was lowered ten (10) feet deeper, resulting in an additional 150 feet of drilling. The work in the re-designed elevation was performed in extremely hard rock strata requiring a costly specialty drill equipment. This condition accounts for 42% of the additional work.

The proposed calcium carbonate line was designed to parallel the existing 96-inch water main that carries raw water from the Northwest Wellfield to the water plants serving the northern part of the County.

**JUSTIFICATION (continued):**

During the same directional drilling operation, the drill bit and pipe puller equipment had been lodged within an existing anchor block sitting on top of the raw water main. This anchor block prevents the raw water main from uplifting. This condition impacted the operation requiring additional digging, dewatering and contract time delays not contemplated within the scope of the contract. As a resolution, the contractor was instructed to procure and install additional fittings to route the calcium carbonate line around the anchor block. This work accounts for 54% of the additional costs.

The rest of the conditions consisted of relocating the proposed calcium carbonate line north of the designed route along theoretical NW 74 Street between NW 87 and NW 102 Avenues (a dirt road) due to the presence of shot rock or boulders along the designed pipe installation route. This route relocation placed the facilities in existing areas of muck wherein the contractor was directed to remove the unexpected muck and replace it with suitable material to protect the pipe facilities. The other conditions were minor existing facilities adjustments to accommodate the proposed calcium carbonate line.

This Change Order will cover the costs incurred for the additional work as a result of the above-mentioned unforeseen conditions. Even though due diligence was exercised during the contract documents preparation, these events could not have been reasonably anticipated.

**ADJUSTED CONTRACT AMOUNT:** \$1,736,967.89

**PERCENTAGE OF INCREASE  
OR DECREASE PREVIOUS  
CHANGE ORDERS (FROM  
ORIGINAL CONTRACT AMOUNT):** Not applicable

**PERCENTAGE OF INCREASE OR  
DECREASE THIS CHANGE ORDER  
(FROM PREVIOUSLY ADJUSTED  
CONTRACT AMOUNT):** Not applicable

**TOTAL PERCENT INCREASE  
FROM ORIGINAL CONTRACT  
AMOUNT:** 40.51%

**NOTICE TO PROCEED DATE:** October 16, 2002

**CONTRACT TIME:** 210 Days

**ORIGINAL CONTRACT  
COMPLETION DATE:** May 13, 2003

**TIME EXTENSION ON PREVIOUS  
CHANGE ORDER(S):** Not applicable

**TIME EXTENSION (THIS CHANGE  
ORDER):**

232 Days

**REVISED COMPLETION DATE:**

December 31, 2003

**USING AGENCY:**

Miami-Dade Water and Sewer Department

**MANAGING AGENCY:**

Miami-Dade Water and Sewer Department

**FUNDING SOURCE:**

Wastewater Revenue Bond - Series 1997

**ALLOWANCE/CONTINGENCY  
ORDINANCE NO. 00-65:**

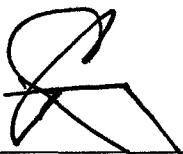
Original Allowance Account \$112,384.24 equals 9% of total Bid Items

**APPROVED FOR LEGAL  
SUFFICIENCY:**

Yes

**DBD REVIEW:**

Yes



Assistant County Manager



# MEMORANDUM

/A MIAMI-DADE/GSA-MAT. MGT.

TO: Honorable Chairperson and Members  
Board of County Commissioners

DATE: April 10, 2003

FROM: Steve Shiver  
County Manager

SUBJECT: WASD Contract W-823A  
Installation of 16-inch Sludge Line  
from Northwest Well Field to NW  
87 Ave., Notification of Potential  
Change Order

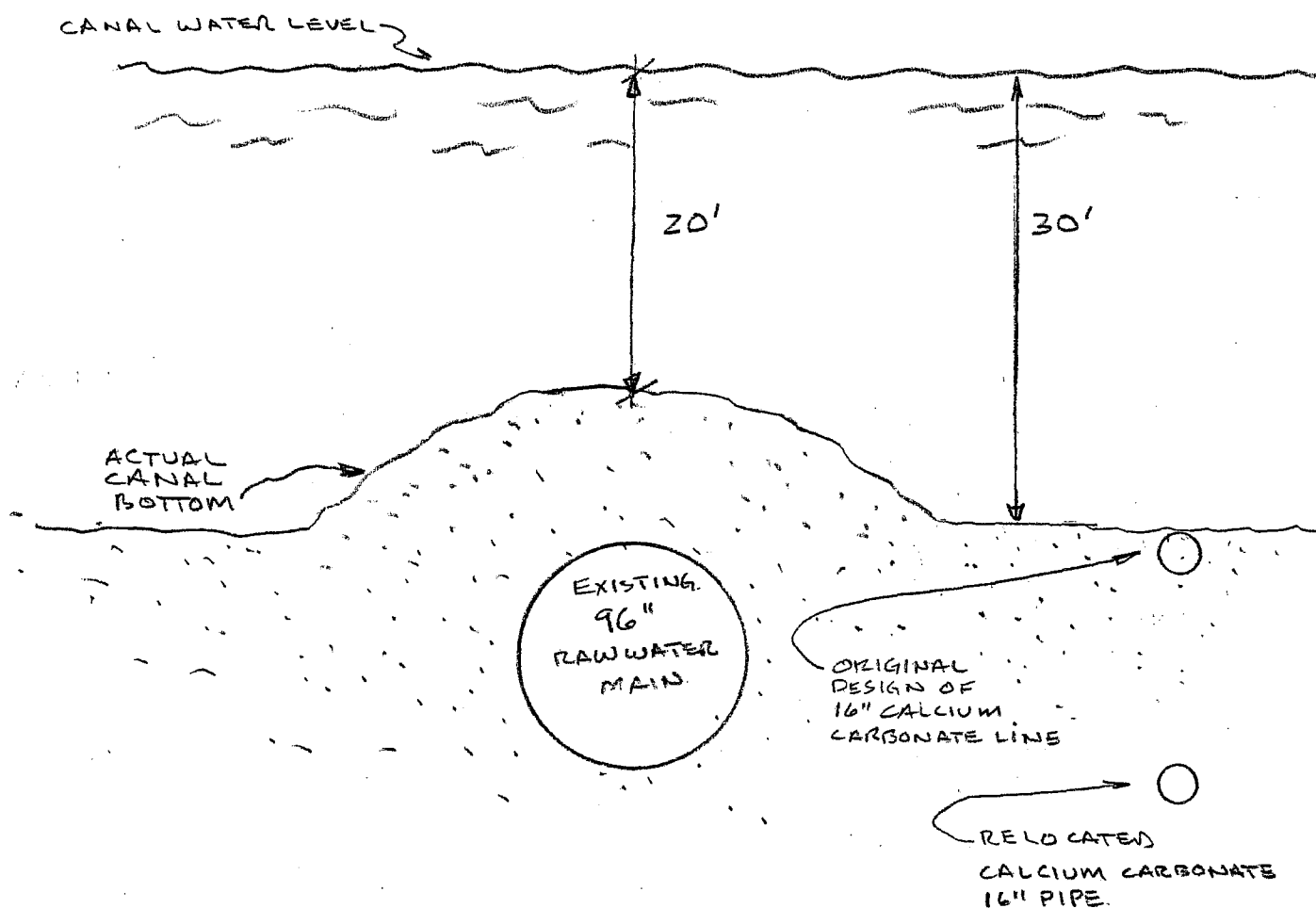
This is to advise you of a potential Change Order for the above referenced contract issued by the Miami-Dade Water and Sewer Department (WASD) to Metro Equipment Service, Inc.

The project consists of the installation of a 16-inch sludge line from N.W. 87 Avenue to the Sludge Lagoon at the Northwest Well Field, located at N.W. 74 Street and approximately N.W. 122 Avenue. In the process of constructing the 20-inch directional drill under the Florida Turnpike and Snapper Creek Extension Canal unexpected site conditions were encountered. The canal had been dredged to a lower elevation thus leaving the new 20-inch pipe without sufficient cover. That information was not available at the time of design. Consequently, in order to have the appropriate cover to protect the 20-inch line, the pipe elevation will be lowered an additional 10 feet, thus making the directional drill approximately 150 feet longer. This additional work will be done in an extremely hard rock strata that requires a specialty drill, making the work more costly. The contractor also encountered unsuitable material, which was not anticipated at the time of design, thus necessitating suitable backfill material.

The change order would cover costs incurred for additional work required when the contractor encountered the above-mentioned difficulties. These events could not have been anticipated at the time the project specifications were prepared. The Department's Engineering Division is currently working on these design changes. Once the drawings are completed, they will be forwarded to the contractor for the appropriate pricing.

I will keep you informed on the progress of this project. Please contact me should you have any questions regarding this matter.

# ILLUSTRATION SKETCH FOR CONTRACT W-823A CHANGE ORDER



SNAPPER CREEK CANAL CROSSING  
@ 74 STREET.

16" CALCIUM CARBONATE PIPE

MIAMI-DADE WATER AND SEWER DEPARTMENT  
MIAMI-DADE COUNTY

INSTALLATION OF 16-INCH SLUDGE LINE FROM  
NORTHWEST WELLFIELD TO N.W. 87 AVE.

CONTRACT NO. W-823A

ESTIMATE: \$2,180,000

TABULATION OF BIDS		Metro Equipment Service, Inc.		Central Florida Equipment Rental		Ocean Bay Construction, Inc.		Bid Date: April 9, 2002
BIDDERS		9450 S.W. 72 St. #110 Miami, FL 33173		of Dade County, Inc. 9030 NW 97th Terrace Medley, FL 33178		2200 N.W. 16 St. Pompano Beach, FL 33069		

Item No.	Description	Quant.	Unit	Total	Unit	Total	Unit	Total
1.	Selling & delivering to the Department 16-inch ductile pipe, valves & fittings for a sludge line	18,490 Ln. Ft.	\$ 20.00	\$ 369,800.00	\$ 26.40	\$ 488,136.00	\$ 23.20	\$ 428,968.00
2.	Installing 16-inch ductile pipe, valves & fittings for a sludge line	18,490 Ln. Ft.	28.00	517,720.00	26.00	480,740.00	33.10	612,019.00
3.	Selling & delivering to the Department 12-inch ductile pipe, valves & fittings for a sludge line	574 Ln. Ft.	17.00	9,758.00	38.52	22,110.48	42.00	24,108.00
4.	Installing 12-inch ductile pipe, valves & fittings for a sludge line	574 Ln. Ft.	17.00	9,758.00	41.60	23,878.40	17 15	9,844.10
5.	Furnishing & installing all materials necessary for a directional drill of 20-inch high density polyethylene pipe & fittings under the Florida Turnpike & the Snapper Creek Extension Canal from Sta. 84 + 50 ± to Sta. 90 + 60 ±, complete	Aggr. Sum		200,000.00		173,307.87		249,422.00
6.	Constructing Air Release Valve Assemblies (ARV's) at the location shown on the Plans	7 Each	300.00	2,100.00	1,254.52	8,781.64	770.00	5,390.00
7	Clearing & grubbing along the route of the main, which shall include the removal of obstructions resting on or protruding through the ground surface	2,800 Ln. Ft.	2.00	5,600.00	14.80	41,440.00	8.00	22,400.00
8.	Removal of unsuitable backfill material, as determined by the Engineer, along the route of the main	300 Cubic Yards	2.00	600.00	25.20	7,560.00	30.00	9,000.00
9.	Furnishing additional trench backfill for the Installation of the sludge lines to replace removed unsuitable excavated materials	300 Cubic Yards	11.00	3,300.00	50.00	15,000.00	20.00	6,000.00
10.	Trench overcut in on foot depth increments, for any size pipe	12,000 Ln. Ft. (Cont. Item)	0.10	1,200.00	0.01	120.00	0.50	6,000.00
11.	Demucking along the route of the main, the length of the trench	2,000 Cubic Yards (Cont. Item)	1.00	2,000.00	10.43	20,860.00	6.00	12,000.00
12.	Sheeting & shoring ordered left in place by the Engineer	100 Ln. Ft. (Cont. Item)	1.00	100.00	0.01	1.00	10.00	1,000.00
13.	Furnishing & installing polyethylene encasement for any size D.I. pipe, fitting or valve, if ordered by the Engineer	19,064 Ln. Ft. (Cont. Item)	0.10	1,906.40	0.41	7,816.24	1.00	19,064.00
14.	Subtotal The total amount of items 1 through 13			\$ 1,123,842.40		\$ 1,289,751.63		\$ 1,405,215.10
15.	Unforeseen conditions, for minor construction changes and for quantity adjustments, if ordered by the Engineer, the sum of 10% of the Subtotal, item 14, (1.10)(Subtotal, item 14)			\$ 112,384.24		\$ 128,975.16		\$ 140,521.51
TOTAL BID (Items 14 through 15)				\$ 1,236,226.64		\$ 1,418,726.79		\$ 1,545,736.61

MIAMI-DADE WATER AND SEWER DEPARTMENT  
MIAMI-DADE COUNTY

INSTALLATION OF 16-INCH SLUDGE LINE FROM  
NORTHWEST WELLFIELD TO N.W. 87 AVE.

CONTRACT NO. W-823A

ESTIMATE: \$2,180,000

TABULATION OF BIDS

		The Redland Company, Inc. 23799 SW 167 Avenue Homestead, FL 33031		Ric-Man International, Inc. 2601 N.W. 48th St. Pompano Beach, FL 33073		Boys Engineering II, Inc. 2625 W. 78 Street #2 Hialeah, FL 33016		Bid Date: April 9, 2002
Item No.	Description	Quant.	Unit	Total	Unit	Total	Unit	Total
1.	Selling & delivering to the Department 16-inch ductile pipe, valves & fittings for a sludge line	18,490 Ln. Ft.	\$ 28.75	\$ 531,587.50	\$ 35.50	\$ 656,395.00	\$ 37.50	\$ 693,375.00
2.	Installing 16-inch ductile pipe, valves & fittings for a sludge line	18,490 Ln. Ft.	32.25	596,302.50	33.00	610,170.00	27.50	508,475.00
3.	Selling & delivering to the Department 12-inch ductile pipe, valves & fittings for a sludge line	574 Ln. Ft.	52.00	29,848.00	37.00	21,238.00	24.00	13,776.00
4.	Installing 12-inch ductile pipe, valves & fittings for a sludge line	574 Ln. Ft.	55.00	31,570.00	33.00	18,942.00	27.50	15,785.00
5.	Furnishing & installing all materials necessary for a directional drill of 20-inch high density polyethylene pipe & fittings under the Florida Turnpike & the Snapper Creek Extension Canal from Sta. 84+50 ± to Sta. 90+80 ±, complete	Aggr. Sum		232,000.00		122,000.00		225,000.00
6.	Constructing Air Release Valve Assemblies (ARV's) at the location shown on the Plans	7 Each	1,500.00	10,500.00	674.00	4,718.00	1,000.00	7,000.00
7.	Clearing & grubbing along the route of the main, which shall include the removal of obstructions resting on or protruding through the ground surface	2,800 Ln. Ft.	14.25	39,900.00	6.64	18,592.00	15.00	42,000.00
8.	Removal of unsuitable backfill material, as determined by the Engineer, along the route of the main	300 Cubic Yards	20.00	6,000.00	100.00	30,000.00	25.00	7,500.00
9.	Furnishing additional trench backfill for the installation of the sludge lines to replace removed unsuitable excavated materials	300 Cubic Yards	20.00	6,000.00	10.00	3,000.00	10.00	3,000.00
10.	Trench overcut in on foot depth increments, for any size pipe	12,000 Ln. Ft. (Cont. Item)	1.00	12,000.00	1.00	12,000.00	3.00	36,000.00
11.	Demucking along the route of the main, the length of the trench	2,000 Cubic Yards	8.00	16,000.00	5.00	10,000.00	10.00	20,000.00
12.	Sheeting & shoring ordered left in place by the Engineer	100 Ln. Ft. (Cont. Item)	10.00	1,000.00	10.00	1,000.00	0.01	1.00
13.	Furnishing & installing polyethylene encasement for any size D.I. pipe, fitting or valve, if ordered by the Engineer	19,064 Ln. Ft. (Cont. Item)	0.10	1,906.40	1.00	19,064.00	0.01	190.64
14.	Subtotal The total amount of Items 1 through 13			\$ 1,514,614.40		\$ 1,527,119.00		\$ 1,572,102.64
15.	Unforeseen conditions, for minor construction changes and for quantity adjustments, if ordered by the Engineer, the sum of 10% of the Subtotal, Item 14, (1.0)X(Subtotal, Item 14)	Allowance Account		\$ 151,461.44	*	\$ 152,711.90	*	\$ 157,210.26
TOTAL BID (Items 14 through 15)				\$ 1,666,075.84	*	\$ 1,679,830.90	*	\$ 1,729,312.90

\*Revised due to error



MIAMI-DADE WATER AND SEWER DEPARTMENT  
MIAMI-DADE COUNTY

INSTALLATION OF 16-INCH SLUDGE LINE FROM  
NORTHWEST WELLFIELD TO N.W. 87 AVE.

CONTRACT NO. W-823A

ESTIMATE: \$2,180,000

TABULATION OF BIDS									
BIDDERS									
<div> <div> Southeastern Engineering Contractors, Inc. 12054 N.W. 98th Avenue Hialeah Gardens, FL 33018 </div> <div> United Engineering Corporation 10145 NW 19th Street Miami, FL 33172 </div> <div> Lanzo Construction Co., FL 4649 Ponce de Leon Blvd. Coral Gables, FL 33146 </div> </div>									
Item No.	Description	Quant.	Unit	Total	Unit	Total	Unit	Total	Bid Date: April 9, 2002
1.	Selling & delivering to the Department 16-inch ductile pipe, valves & fittings for a sludge line	18,490 Ln. Ft.	\$ 29.00	\$ 536,210.00	\$ 45.00	\$ 832,050.00	\$ 59.00	\$ 1,090,910.00	
2.	Installing 16-inch ductile pipe, valves & fittings for a sludge line	18,490 Ln. Ft.	41.00	758,090.00	12.00	221,880.00	18.00	332,820.00	
3.	Selling & delivering to the Department 12-inch ductile pipe, valves & fittings for a sludge line	574 Ln. Ft.	29.00	16,846.00	56.00	32,144.00	65.00	37,310.00	
4.	Installing 12-inch ductile pipe, valves & fittings for a sludge line	574 Ln. Ft.	39.00	22,386.00	10.00	5,740.00	30.00	17,220.00	
5.	Furnishing & installing all materials necessary for a directional drill of 20-inch high density polyethylene pipe & fittings under the Florida Turnpike & the Snapper Creek Extension Canal from Sta. 84 + 50 ± to Sta. 90 + 60 ±, complete	Aggr. Sum		160,000.00		357,000.00		170,000.00	
6.	Constructing Air Release Valve Assemblies (ARV's) at the location shown on the Plans	7 Each	1,000.00	7,000.00	2,000.00	14,000.00	6,500.00	45,500.00	
7.	Clearing & grubbing along the route of the main, which shall include the removal of obstructions resting on or protruding through the ground surface	2,800 Ln. Ft.	15.90	44,520.00	38.00	106,400.00	5.00	14,000.00	
8.	Removal of unsuitable backfill material, as determined by the Engineer, along the route of the main	300 Cubic Yards	25.00	7,500.00	30.00	9,000.00	10.00	3,000.00	
9.	Furnishing additional trench backfill for the installation of the sludge lines to replace removed unsuitable excavated materials	300 Cubic Yards	20.00	6,000.00	40.00	12,000.00	10.00	3,000.00	
10.	Trench overcut in on foot depth increments, for any size pipe	12,000 Ln. Ft. (Cont. Item)	0.10	1,200.00	2.50	30,000.00	0.10	1,200.00	
11.	Demucking along the route of the main, the length of the trench	2,000 Cubic Yards	6.00	12,000.00	20.00	40,000.00	3.00	6,000.00	
12.	Sheeting & shoring ordered left in place by the Engineer	100 Ln. Ft. (Cont. Item)	0.10	10.00	10.00	1,000.00	1.00	100.00	
13.	Furnishing & installing polyethylene encasement for any size D.I. pipe, fitting or valve, if ordered by the Engineer	19,064 Ln. Ft. (Cont. Item)	0.10	1,906.40	0.50	9,532.00	0.10	1,906.40	
14.	Subtotal The total amount of Items 1 through 13			\$ 1,573,468.40		\$ 1,670,746.00		\$ 1,722,966.40	
15.	Unforeseen conditions, for minor construction changes and for quantity adjustments, if ordered by the Engineer, the sum of 10% of the Subtotal, Item 14, (1.10X)Subtotal, Item 14)	Allowance Account		\$ 157,346.84		\$ 167,074.50		\$ 172,296.64	
TOTAL BID (Items 14 through 15)				\$ 1,730,815.24		\$ 1,837,820.60		\$ 1,895,263.04	

MIAMI-DADE WATER AND SEWER DEPARTMENT  
MIAMI-DADE COUNTY

INSTALLATION OF 16-INCH SLUDGE LINE FROM  
NORTHWEST WELLFIELD TO N.W. 87 AVE.

CONTRACT NO. W-823A

ESTIMATE: \$2,180,000

TABULATION OF BIDS  
BIDDERS

Bid Date: April 9, 2002

Astaldi Construction Corporation  
8220 State Road 84, Suite 220  
Davie, FL 33324

Item No.	Description	Quant.	Unit	Total
1.	Selling & delivering to the Department 16-inch ductile pipe, valves & fittings for a sludge line	18,490 Lin. Ft.	26.00	\$ 480,740.00
2.	Installing 16-inch ductile pipe, valves & fittings for a sludge line	18,490 Lin. Ft.	46.50	859,785.00
3.	Selling & delivering to the Department 12-inch ductile pipe, valves & fittings for a sludge line	574 Lin. Ft.	43.00	24,682.00
4.	Installing 12-inch ductile pipe, valves & fittings for a sludge line	574 Lin. Ft.	40.00	22,960.00
5.	Furnishing & installing all materials necessary for a directional drill of 20-inch high density polyethylene pipe & fittings under the Florida Turnpike & the Snapper Creek Extension Canal from Sta. 84 + 50 ± to Sta. 90 + 60 ±, complete	Aggr. Sum		200,835.73
6.	Constructing Air Release Valve Assemblies (ARV's) at the location shown on the Plans	7 Each	1,778.00	12,446.00
7.	Clearing & grubbing along the route of the main, which shall include the removal of obstructions resting on or protruding through the ground surface	2,800 Lin. Ft.	15.00	42,000.00
8.	Removal of unsuitable backfill material, as determined by the Engineer, along the route of the main	300 Cubic Yards	60.00	18,000.00
9.	Furnishing additional trench backfill for the installation of the sludge lines to replace removed unsuitable excavated materials	300 Cubic Yards	58.00	17,400.00
10.	Trench overcut in on foot depth increments, for any size pipe	12,000 Lin. Ft. (Cont. Item)	6.00	72,000.00
11.	Demucking along the route of the main, the length of the trench	2,000 Cubic Yards	28.00	56,000.00
12.	Sheeting & shoring ordered left in place by the Engineer	100 Lin. Ft. (Cont. Item)	90.00	9,000.00
13.	Furnishing & installing polyethylene encasement for any size D.I. pipe, fitting or valve, if ordered by the Engineer	19,064 Lin. Ft. (Cont. Item)	1.00	19,064.00
14.	Subtotal The total amount of Items 1 through 13			\$ 1,834,912.73
15.	Unforeseen conditions, for minor construction changes and for quantity adjustments, if ordered by the Engineer, the sum of 10% of the Subtotal, Item 14, (1.10)(Subtotal, Item 14)	Allowance Account		\$ 183,491.27
	TOTAL BID (Items 14 through 15)			\$ 2,018,404.00

MIAMI-DADE COUNTY  
CHANGE ORDER TO ORIGINAL CONTRACT

CONTRACT NO. W-823A

CHANGE ORDER NO. 1

DATE: September 23, 2003

PROJECT TITLE: Installation of 16-Inch Calcium Carbonate Line from Northwest Wellfield to N. W. 87 Avenue

CONTRACTOR: Metro Equipment Service, Inc.

YOU ARE HEREBY REQUESTED TO MAKE THE FOLLOWING CHANGES IN THE PLANS AND SPECIFICATIONS FOR THIS PROJECT AND TO PERFORM THE WORK ACCORDINGLY, SUBJECT TO ALL CONTRACT STIPULATIONS AND COVENANTS.

**Justification: See Attached**

THIS CHANGE ORDER INCLUDES PAYMENT NOT ONLY OF ALL DIRECT AND INDIRECT COSTS OF THE CONTRACTOR SUCH AS LABOR, MATERIAL, JOB OVERHEAD, AND PROFIT MARKUP BUT ALSO INCLUDES AND IS NOT LIMITED TO ANY COSTS FOR MODIFICATIONS OR CHANGES IN SEQUENCE OF WORK, DELAYS, RESCHEDULING, INEFFICIENCIES, RIPPLE EFFECTS, DISRUPTION, EQUITABLE ADJUSTMENT, EXTENDED DIRECT OR GENERAL OVERHEAD, HOME OFFICE EXPENSE, ACCELERATION, EXTENDED JOB DURATION OR OTHER ESCALATIONS WHICH INCLUDES WAGES, AND OTHER IMPACT COSTS.

CONTRACTOR HEREBY WAIVES, FULLY RELEASES, DISCHARGES AND ACQUITS THE COUNTY OF ANY AND ALL LIABILITY FOR CLAIMS, ADDITIONAL COSTS, AND ANY REQUEST FOR ADDITIONAL TIME ARISING OUT OF THE FULFILLMENT OF THE CONTRACT AND CHANGE ORDER, FROM THE DATE OF CONTRACT AWARD TO, AND INCLUDING EXECUTION OF THIS CHANGE ORDER.

**SUMMARY OF CONTRACT AMOUNT**

ORIGINAL CONTRACT AMOUNT	\$1,236,226.64
COST OF CONSTRUCTION CHANGES PREVIOUSLY ORDERED	\$ -0-
ADJUSTED CONTRACT AMOUNT PRIOR TO THIS CHANGE ORDER	\$1,236,226.64
COST OF CONSTRUCTION CHANGES THIS ORDER	\$ 500,741.25
ADJUSTED CONTRACT AMOUNT INCLUDING THIS CHANGE ORDER	\$1,736,967.89
PERCENT INCREASE, THIS CHANGE ORDER	40.51%
TOTAL PERCENT INCREASE TO DATE	40.51%

EXTENSION OF CONTRACT TIME ALLOWED BY THIS CHANGE -232- CALENDAR DAYS TO December 31, 2003.

CERTIFYING STATEMENT: I hereby certify that design changes have been reviewed and approved by me or WASH Engineering Staff under my direct supervision.

SIGNATURE OF DESIGN OR CONSULTING ENGINEER\*

(\*Assistant Director of Engineering and Planning may sign for Engineer on Change Orders that do not involve design changes)

CERTIFYING STATEMENT: I hereby certify that the supporting cost data included is, in my considered opinion, accurate; that the prices quoted are fair and reasonable and in proper ratio to the cost of the original work contracted for under benefit of competitive bidding.

RECOMMENDED: [Signature] 9/25/03  
CONSTRUCTION MANAGER

APPROVED: [Signature] 9/29/03  
CHIEF, ENGINEERING DIVISION

TO BE FILLED OUT BY DEPARTMENT INITIATING CHANGE ORDER

Miami Dade Water and Sewer  
DEPARTMENT

ER 15542 FD 66 BI 4331R  
FUNDS BUDGETED CODE

CERTIFIED BY [Signature]

ACCEPTED: [Signature]  
CONTRACTOR **Jorge Godoy, President**

APPROVED: [Signature]  
COUNTY ATTORNEY'S OFFICE

[Signature]  
SURETY  
Charles D. Nielson, Attorney-in-Fact

APPROVED: [Signature]  
DEPT. of BUSINESS DEVELOPMENT

APPROVED: [Signature] 9/25/03  
MANAGER, CONSTRUCTION SECTION

DADE COUNTY, Florida  
By its BOARD OF COUNTY COMMISSIONERS

APPROVED: [Signature]  
ASST. DIR. ENGINEERING AND PLANNING

By: \_\_\_\_\_  
COUNTY MANAGER

ATTEST:

By: \_\_\_\_\_  
DEPUTY CLERK

TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA  
TRAVELERS CASUALTY AND SURETY COMPANY  
FARMINGTON CASUALTY COMPANY  
Hartford, Connecticut 06183-9062

POWER OF ATTORNEY AND CERTIFICATE OF AUTHORITY OF ATTORNEY(S)-IN-FACT

KNOW ALL PERSONS BY THESE PRESENTS, THAT TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA, TRAVELERS CASUALTY AND SURETY COMPANY and FARMINGTON CASUALTY COMPANY, corporations duly organized under the laws of the State of Connecticut, and having their principal offices in the City of Hartford, County of Hartford, State of Connecticut, (hereinafter the "Companies") hath made, constituted and appointed, and do by these presents make, constitute and appoint: Charles D. Nielson, Charles J. Nielson, Laura Lee Clymer, Mary C. Aceves, Warren M. Alter, of Miami Lakes, Florida, their true and lawful Attorney(s)-in-Fact, with full power and authority hereby conferred to sign, execute and acknowledge, at any place within the United States, the following instrument(s): by his/her sole signature and act, any and all bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking and any and all consents incident thereto and to bind the Companies, thereby as fully and to the same extent as if the same were signed by the duly authorized officers of the Companies, and all the acts of said Attorney(s)-in-Fact, pursuant to the authority herein given, are hereby ratified and confirmed.

This appointment is made under and by authority of the following Standing Resolutions of said Companies, which Resolutions are now in full force and effect:

VOTED: That the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her.

VOTED: That the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary.

VOTED: That any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary, or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority.

This Power of Attorney and Certificate of Authority is signed and sealed by facsimile under and by authority of the following Standing Resolution voted by the Boards of Directors of TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA, TRAVELERS CASUALTY AND SURETY COMPANY and FARMINGTON CASUALTY COMPANY, which Resolution is now in full force and effect:

VOTED: That the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached.

**Contract No. W-823A  
Change Order No. 1**

**Justification**

**Scope of Contract Work**

The work consists of furnishing all materials, labor, and equipment, necessary for furnishing and installing approximately 18,490 linear feet of 16-inch and 574 linear feet of 12-inch ductile iron pipe, valves and fittings for a calcium carbonate line from N. W. 87 Avenue to the northwest well field.

The project also includes constructing a 20-inch directional drill from Sta. 90+60± to Sta. 84+50± under the Florida Turnpike and Snapper Creek Extension Canal: clearing and grubbing; demucking; removing unsuitable backfill materials; furnishing and installing additional backfill; constructing seven air release valve assemblies; cleaning and testing; restoration of an existing gravel road; and all other appurtenant and miscellaneous items and work for a complete installation for the project located along N. W. 74 Street, Sections 16, 17, and 18, Township 54, Range 40, and Section 12, Township 53, Range 39, in Miami-Dade County, Florida.

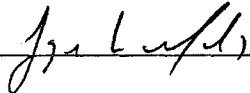
**Description of Work Authorized**

This change order includes payment not only of all direct and indirect costs of the Contractor such as labor, material, job overhead, and profit markup, but also includes, and is not limited to any costs for modifications or changes in sequence of work, delays, rescheduling, inefficiencies, ripple effects, disruption, equitable adjustment, extended direct or general overhead, home office expense, acceleration, extended job duration, or other escalations which includes wages, and other impact costs for all extra work occasioned by and relating to the following;

- 1) Conflict with water main at Station 229+86
- 2) Conflict at Station 244+96
- 3) Potholing work at Station 193+50 to Station 191+00
- 4) Potholing work at Station 89+00
- 5) Additional restraints directed by the Department
- 6) Conflicts with directional drill connection at Station 84+40
- 7) Unforeseen conditions at location of directional drilling
- 8) Unforeseen conflict in path of direction drill

**Total Change Order Amount:      \$500,741.25**

Therefore, it is recommended that the Board of County Commissioners approve Change Order No. 1 to Contract W-823A, "Installation of 16-Inch Calcium Carbonate Line from Northwest Wellfield to N. W. 87<sup>th</sup> Avenue" in the amount of \$500,741.25 and a time extension of 232 days.

Accepted for Contractor, By: 

Title: President

Date: 9/30/03



# MEMORANDUM

(Revised)

**TO:** Hon. Chairperson Barbara Carey-Shuler, Ed.D.  
and Members, Board of County Commissioners

**DATE:** November 4, 2003

**FROM:** Robert A. Ginsburg  
County Attorney

**SUBJECT:** Agenda Item No.

Please note any items checked.

- ☐ "4-Day Rule" ("3-Day Rule" for committees) applicable if raised
- ☐ 6 weeks required between first reading and public hearing
- ☐ 4 weeks notification to municipal officials required prior to public hearing
- ☐ Decreases revenues or increases expenditures without balancing budget
- ☐ Budget required
- ☐ Statement of fiscal impact required
- ☐ Bid waiver requiring County Manager's written recommendation
- ☐ Ordinance creating a new board requires detailed County Manager's report for public hearing
- ☐ Housekeeping item (no policy decision required)
- ☐ No committee review

Approved \_\_\_\_\_ Mayor  
Veto \_\_\_\_\_  
Override \_\_\_\_\_

Agenda Item No.

RESOLUTION NO. \_\_\_\_\_

RESOLUTION APPROVING CHANGE ORDER NO. ONE TO  
THE CONTRACT WITH METRO EQUIPMENT SERVICE,  
INC. FOR THE INSTALLATION OF A 16-INCH CALCIUM  
CARBONATE LINE FROM NORTHWEST WELLFIELD TO  
N.W. 87 AVENUE

WHEREAS, this Board desires to accomplish the purposes  
outlined in the accompanying memorandum, a copy of which is  
incorporated herein by reference.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY  
COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, that this Board finds  
it is in the best interest of the County to approve Change Order  
No. One for the installation of a 16-inch calcium carbonate line  
from the Northwest Wellfield to N.W. 87 Avenue, with Metro  
Equipment Service, Inc., increasing the contract amount by  
\$500,741.25 and a 232 day time extension, in substantially the form  
attached hereto and made a part hereof; and authorizes the County  
Manager to execute same for and on behalf of the County.

